

Claims:

I claim:

- Sub  
C1
1. A pronunciation dictionary comprising:  
5 alphabetized text and corresponding phones; and 4:14-50  
overlapping characters with previous entry are prefix delta encoded. 4:64-5:21  
2:62-65
2. The pronunciation dictionary of claim 1, including a rule set to convert text to  
phones for text not in the dictionary; and (Kuhn - convert letters to pronunciation - Abstract)  
10 an error encoded set for those entries different from the rule set wherein the entry  
only contains the difference with the rule set prediction. → Das performs words based  
on different vectors
3. The pronunciation dictionary of claim 2, wherein said encoded set is prefix delta  
15 encoded. 4:64-5:21  
2:62-65
4. The pronunciation dictionary of claim 3, including a delimiter character between  
each entry. 3:44-45
5. A pronunciation dictionary comprising:  
20 a rule set to convert text to phones for text not in the dictionary; and Kuhn  
an error encoded set for those entries different from the rule set wherein the entry  
only contains the difference with the rule set prediction.
6. The dictionary of claim 5, wherein said error encoded set is prefix delta encoded.
- 25 7. The dictionary of claim 6, including a delimiter character between each entry.  
3:44-45 Kanu
8. The dictionary of claim 5, including  
30 alphabetized text and corresponding phones; and Kan  
overlapping characters with previous entry are prefix delta encoded. Kan

9. A processor chip for speech recognition comprising:  
a processor; and  
a pronunciation dictionary comprising:  
5 alphabetized text and corresponding phones;  
overlapping characters with previous entry are prefix delta encoded;  
a rule set to convert text to phones for text not in the dictionary; and  
an error encoded set for those entries different from the rule set wherein  
the entry only contains the difference with the rule set prediction.

- 10 Sub C2 10. A method of making a pronunciation dictionary comprising the steps of:  
alphabetizing text and corresponding phones; and  
prefix delta encoding overlapping characters with previous entry.
- 15 11. The method of claim 10, including the steps of:  
converting text to phones according to a rule set for the text not in the dictionary  
and fit the rule set; and  
error encoding the difference from the rule set for those pronunciations of text not  
in the alphabetized text and not fitting the rule set.

- 20 12. The method of claim 11, wherein the error encoding is prefix delta encoded.

- 25 13. The method of claim 12, including the step of adding a delimiter between each  
entry.

14. A speech recognizer including:  
an input means for receiving input speech;  
a processor;  
speech recognition models;

in closest match  
generated from

overlapping characters with previous entry, are prefix delta encoded.

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